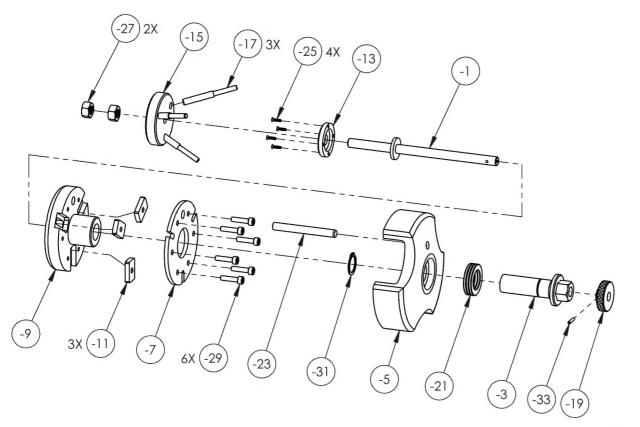
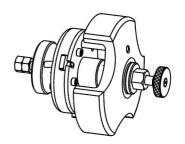
	REVISIONS								
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED				
1		released for production	1/21/2016	DPD	JAG				





NOTE: REF. EUROCOPTER T/N: 105-14101W2.

					1	T .			–, R
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.	
			-1	1	BOLT	4140/4142 Q & T		2	7
			-3	1	BOLT WITH THRU HOLE	4140/4142 Q & T		3	1_
			-5	1	DISK	6061		4	TITI
			-7	1	PIN PLATE COVER	4140/4142 Q & T		5	7 -
			-9	1	PIN PLATE BASE	4140/4142 Q & T		6	DW
			-11	3	PLATE	4140/4142		7	
			-13	1	CAP	6061		8	MA
			-15	1	PIN BASE	4140/4142		9	HE/
			-17	3	PIN	O-1		10	FIN
			-19	1	KNURLED KNOB	6061		11	SPE
		B/O	-21	1	THRUST BALL BEARING	STEEL	Ø25mm I.D. X Ø 42mm O.D. X 11mm (\$KF #51105)	1	DR/
		B/O	-23	1	DOWEL PIN	STEEL	Ø10mm X 90mm (MCMASTER-CARR #91595A673)	1	CHE
		B/O	-25	4	FLAT HEAD SCREW	STEEL	M3 X 0.5 X 12mm (MCMASTER-CARR #91420A122)	1	OPF
		B/O	-27	2	LEFT-HAND HEX NUT	STEEL	M12 X 1.75 (MCMASTER-CARR #93695A190)	1	QA
		B/O	-29	6	SOCKET HEAD CAP SCREW	STEEL	M6 X 1 X 25mm (MCMASTER-CARR #95263A561)	1	APF
		B/O	-31	1	EXTERNAL RETAINING RING	STEEL	Ø24mm (MCMASTER-CARR #98541A125)	1	SC
		B/O	-33	1	SPRING PIN	STEEL	M3 X 18mm (MCMASTER-CARR #91611A158)	1	- SC

## EXTRACTOR FOR OUTER NEEDLE BEARING

6	DWG NO.	DI	T10	1.41011	REV					
7		K	SEIC	) J	14101V	٧Z	1			
8	MAT'L				UNLESS OTHERWISE SPECIFIED  DIMENSIONS ARE IN INCHES  XXX + .005 FRACTIONS ± 1/8					
9	HEAT									
0	TREAT FINISH				.XX ± .01 .X ± .1	ANGLES ±.5°	/			
1	SPEC						25/			
1	DRAWN BY:									
1	CHECKED:	HECKED: CLOUGH				2. DIMENSIONAL LIMITS APPLY     AFTER PLATING     3. INTERPRET DIM AND TOL PER				
1	OPPS APPR:	ANDERS	NOS		ASME Y14.					
1	QA APPR:	LINDSA	Υ			USED ON MODEL				
1	APPROVED:	GILBEF	₹Т			EC145				
1	SCALE	1:5	DATE	1/2	21/2016	SHEET 1 OF	11			

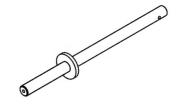
		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED

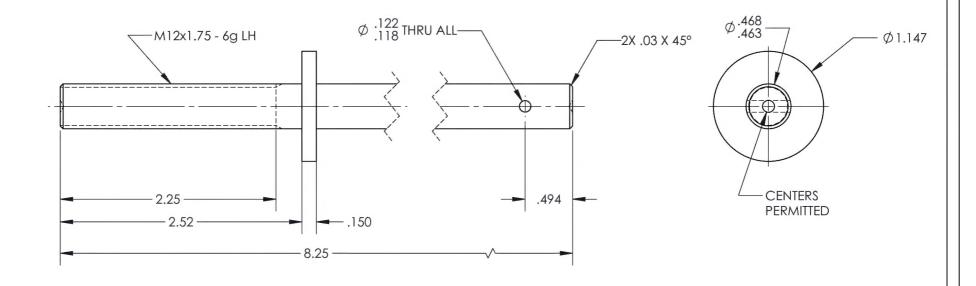
APPROVED:

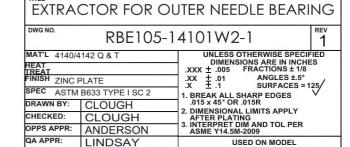
SCALE

GILBERT

1:1







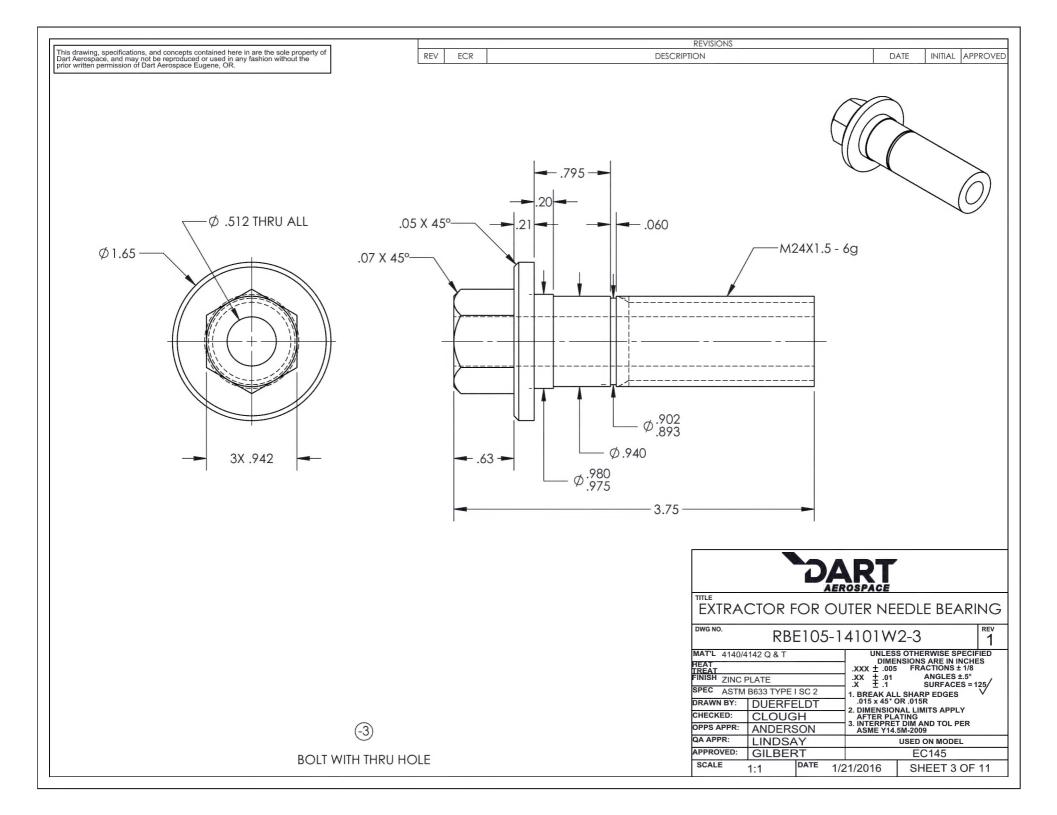
DATE 12/30/2015

EC145

SHEET 2 OF 11

(-1)

BOLT



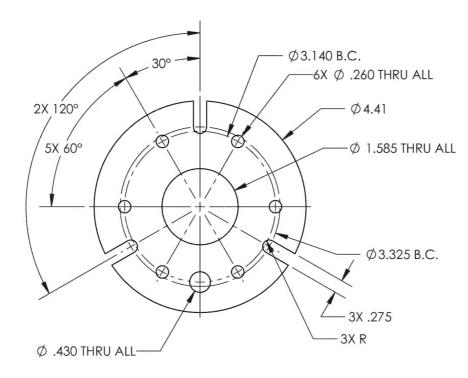
REVISIONS This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR. DESCRIPTION INITIAL APPROVED REV ECR DATE 1.930 1.60  $\phi$  .3935 THRU ALL 1.175 -3X 5.21 Ø .985 THRU ALL 2X R .20 6X R.20 1.570  $\emptyset 5.500$  $\emptyset$  6.290 ENGRAVE T/N, S/N, "MADE IN USA" SECTION A-A 3X R1.79 **EQUALLY SPACED** Ø 1.673 EXTRACTOR FOR OUTER NEEDLE BEARING Ø1.490 RBE105-14101W2-5 MAT'L 6061 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

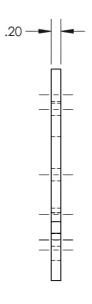
.XXX ± .005 FRACTIONS ± 1/8

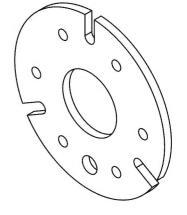
.XX + .01 ANGLES ± .5°

.X ± .1 SURFACES = 125/ TREAT
FINISH CLEAR ANODIZE SPEC MIL-A-8625, TYPE II, CLASS I 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 DRAWN BY: CLOUGH CHECKED: CLOUGH DETAIL B OPPS APPR: (-5)ANDERSON QA APPR: USED ON MODEL LINDSAY SCALE 1:2 APPROVED: GILBERT EC145 DISK DATE 12/30/2015 SCALE SHEET 4 OF 11 1:4

REVISIONS DESCRIPTION INITIAL APPROVED REV ECR DATE







EXTRACTOR FOR OUTER NEEDLE BEARING

RBE105-14101W2-7 MAT'L 4140/4142 Q & T

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX + .01 ANGLES ± .5°

.X ± .1 SURFACES = 125/

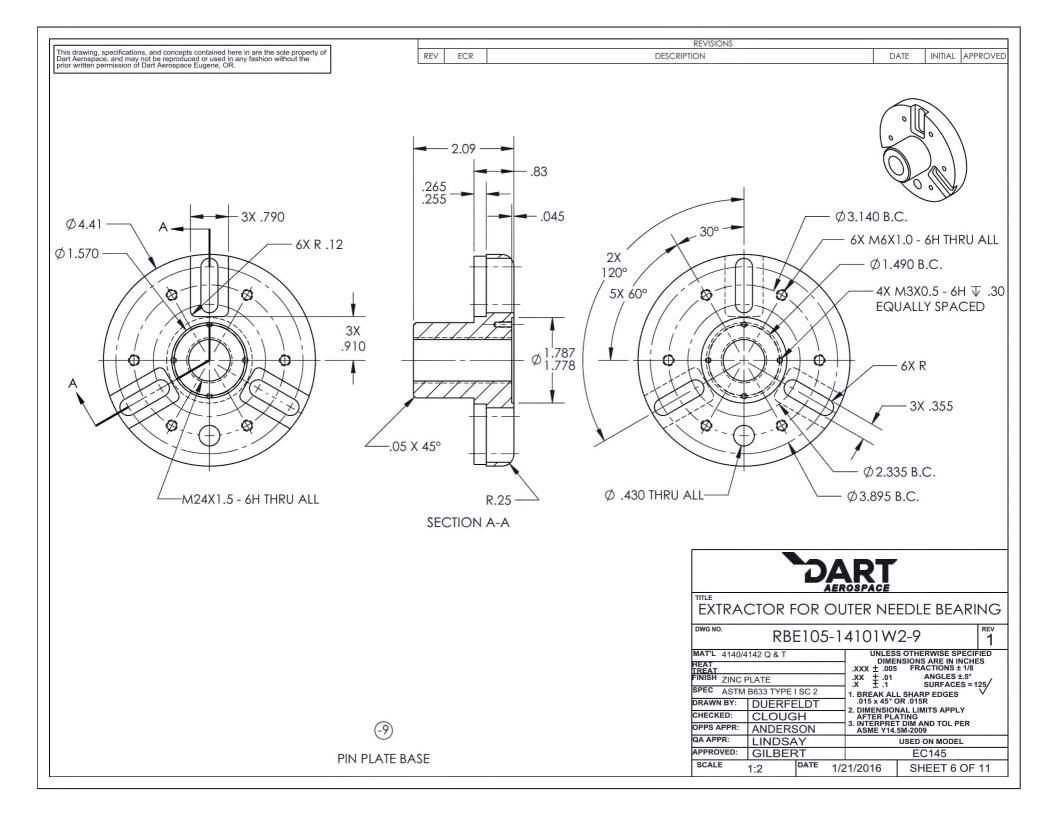
TREAT
FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2 1. BREAK ALL SHARP EDGES .015 x 45 'OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 DRAWN BY: DUERFELDT CHECKED: CLOUGH

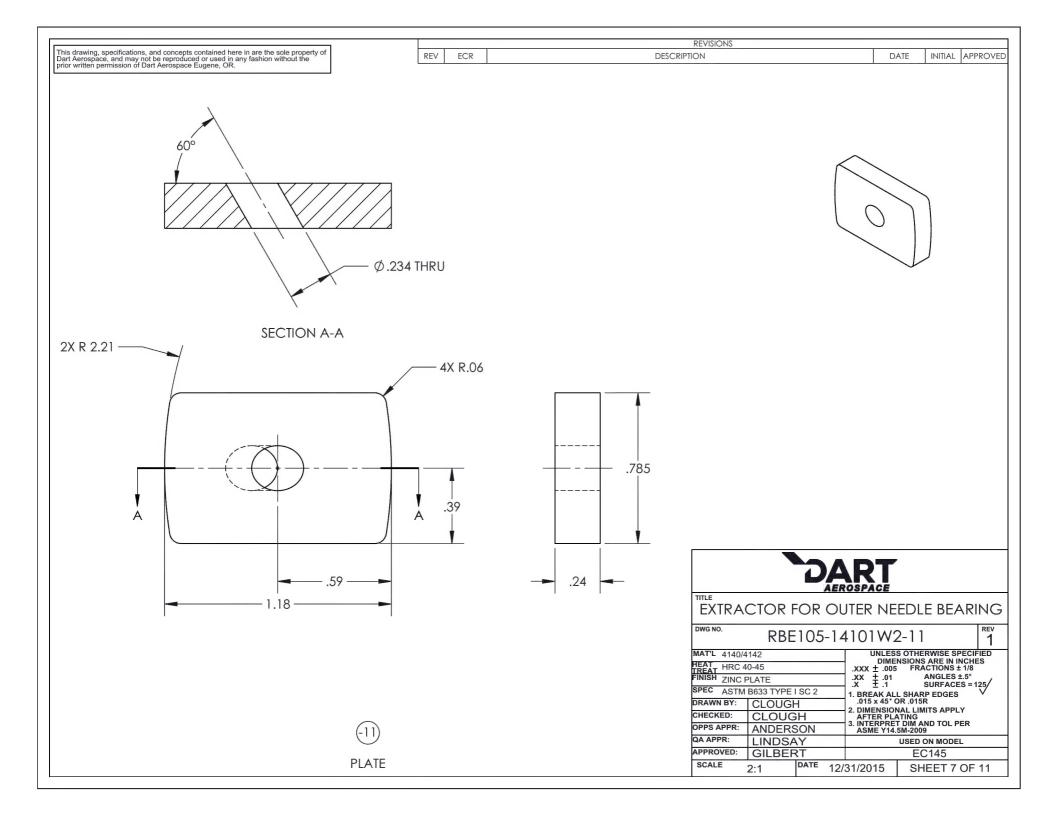
OPPS APPR: ANDERSON QA APPR: USED ON MODEL LINDSAY APPROVED: GILBERT EC145

SCALE 1:2 1/21/2016 SHEET 5 OF 11



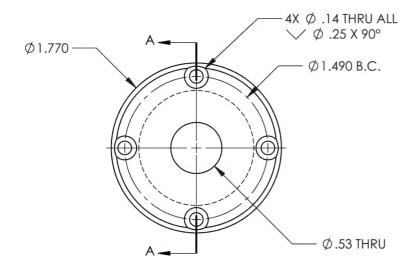
PIN PLATE COVER

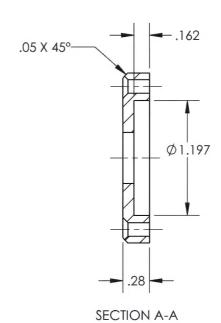




		REVISIONS			
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED







## DART

EXTRACTOR FOR OUTER NEEDLE BEARING

RBE105-14101W2-13 MAT'L 6061 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

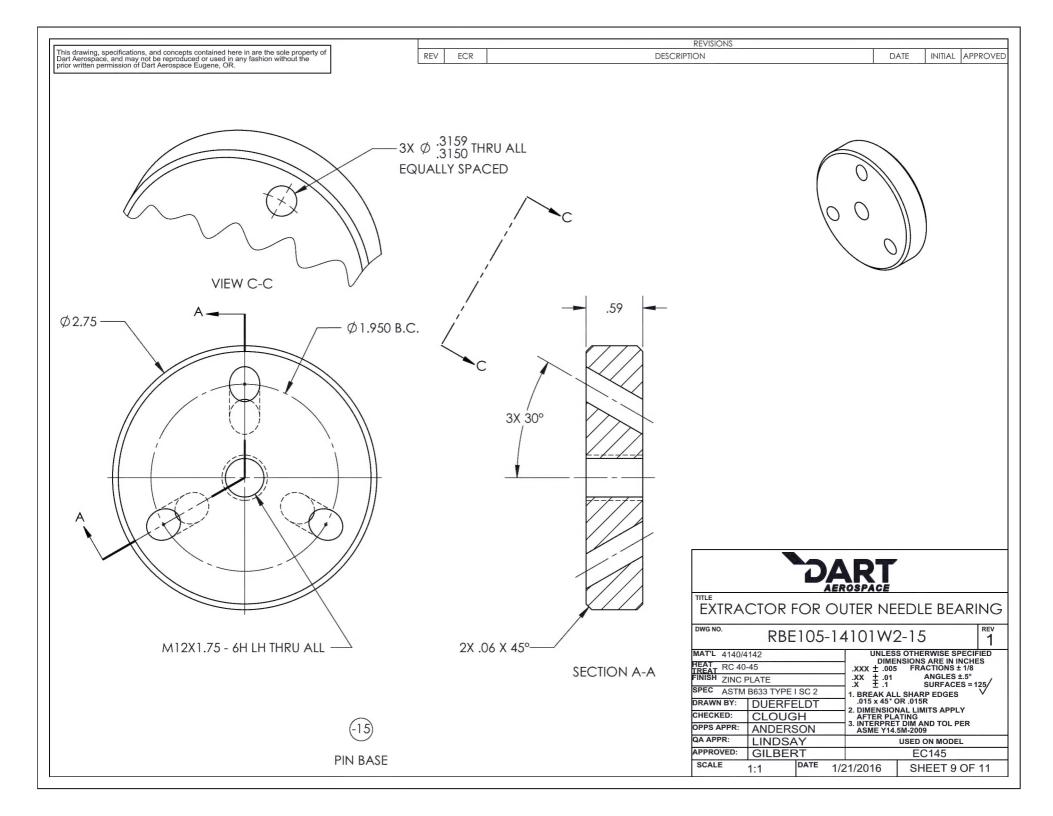
.XXX ± .005 FRACTIONS ± 1/8

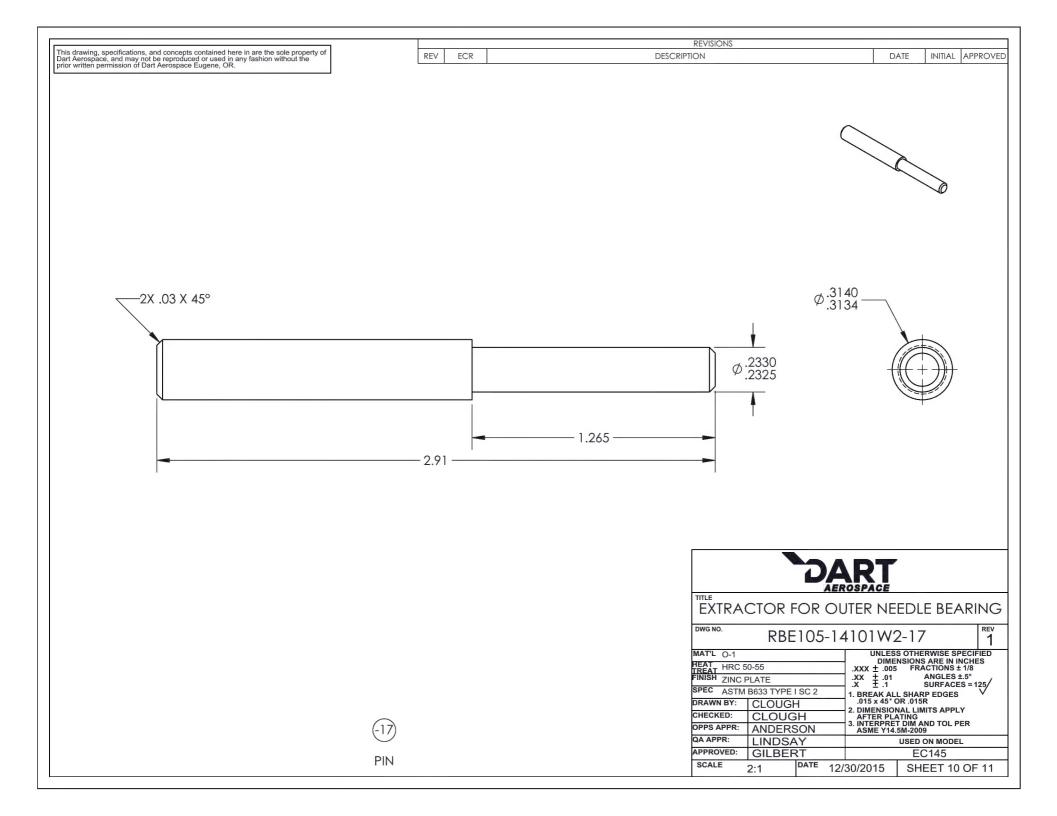
.XX + .01 ANGLES ± .5°

X ± .1 SURFACES = 125/ TREAT
FINISH CLEAR ANODIZE SPEC MIL-A-8625, TYPE II, CLASS I 1. BREAK ALL SHARP EDGES .015 x 45 'OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 DRAWN BY: CLOUGH CHECKED: CLOUGH OPPS APPR: ANDERSON QA APPR: USED ON MODEL LINDSAY APPROVED: GILBERT EC145 DATE 12/31/2015 SCALE SHEET 8 OF 11 1:1

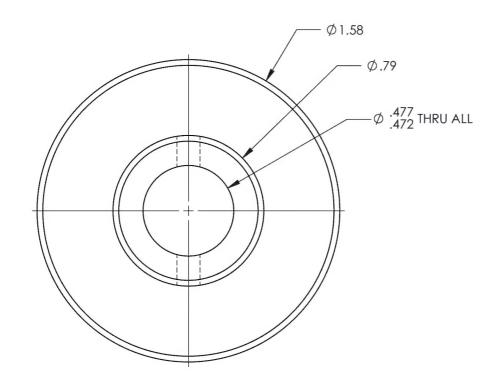
-13

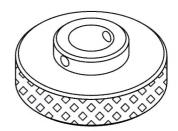
CAP

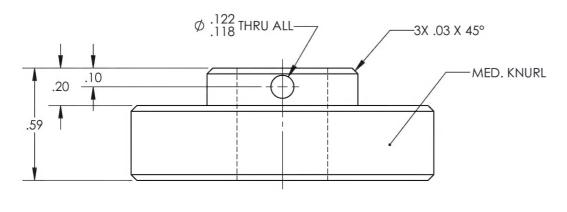




REVISIONS			
REV ECR DESCRIPTION	DATE	INITIAL	APPROVED









KNURLED KNOB

## DART

EXTRACTOR FOR OUTER NEEDLE BEARING

DWG NO.	RBE105-14	4101W2	2-19 REV 1			
MAT'L 6061			S OTHERWISE SPECIFIED			
HEAT TREAT		.xxx ± .005	NSIONS ARE IN INCHES FRACTIONS ± 1/8			
FINISH CLEAR ANODIZE		.XX ± .01	ANGLES ±.5° SURFACES = 125/			
SPEC MIL-A-8625, TYPE II, CLASS I			L SHARP EDGES			
DRAWN BY:	DUERFELDT	.015 x 45° (	OR .015R NAL LIMITS APPLY			
CHECKED:	CLOUGH	AFTER PLA	ATING			
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009				
QA APPR:	LINDSAY	USED ON MODEL EC145				
APPROVED:	GILBERT					
SCALE	Out DATE 1/	21/2016	CHEET 11 OF 11			